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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/823,049	04/12/2004	Kurt R. Goldsmith	42P18726	4091

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EXAMINER

NGUYEN, VINH P

ART UNIT PAPER NUMBER

2829

DATE MAILED: 05/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/823,049

Applicant(s)

GOLDSMITH ET AL.

Examiner

VINH P. NGUYEN

Art Unit

2829

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 25 April 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-33 is/are pending in the application.
- 4a) Of the above claim(s) 25-33 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2,4-8,11-16,18-20 and 22-24 is/are rejected.
- 7) ☒ Claim(s) 3,9,10 and 21 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

Art Unit: 2829

1. Applicant's election without traverse of group I including claims 1-24 in the reply filed on 04/25/05 is acknowledged.

2. Claims 25-33 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim.

Election was made **without** traverse in the reply filed on 04/25/05.

3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

4. The abstract of the disclosure is objected to because legal phraseology such as "the invention" is used. Correction is required. See MPEP § 608.01(b).

5. Claims 3,5-7,9-10,12,17,21 are objected to because of the following informalities:

In claims 3,5,6-7 it is unclear what "stimuli transfer zones" are. Are they shown in any of drawings?

In claim 6, it is unclear how the transfer zones are to couple to the contact by a coupling without causing a force actuation, compression or compliance of the contacts.

In claims 9-10, it is unclear what "a vacuum force attachment" is. Is it shown in any of drawings?

In claim 12, it is unclear whether the plurality of contacts of second side are the same as "electrical conduits" in the test device portion?

In claim 17, it is unclear what is meant by "to receive at least one of the plurality of energy stimuli from a first location of the second side". Is the first location of the second side is able to produce energy stimuli.

In claim 21, it is unclear what "electronic topology" represents.

Appropriate correction is required.

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claims 1-5,7-8,11,13-16,18-20,22-24 are rejected under 35 U.S.C. 102(b) as being anticipated by Tan (Pat # 5,436,570) .

As to claims 1,8,15-16, Tan discloses an apparatus for testing a socket having a first side (5) including a generally planar surface , a lid portion (20) including the first side (5) including a first side and having a dimension at least large enough to cover or extend over a plurality of contacts of a socket (21) and a test device portion (15,7)) integral with the lid portion (20) and having a plurality of energy conduits (15) to provide a response to a plurality of energy stimuli to a second side (bottom surface of the lid portion (20)) disposed opposite the first side and a second side (22) having a dimension suitable to be removably coupled to a socket (21).

As to claim 2, it appears that the lid portion (20) includes a dimension to protect the contact of the socket (21) from impact and electrically coupled from the first side.

As to claim 3, it appears that the energy conduits (15) includes a plurality of stimuli transfer zones (contact surfaces of the conduits (15)).

In claim 4, it appears that the energy conduits (15) are to transfer a plurality of energy stimuli (test signals) between the second side (bottom surface of the lid portion (20)) and the first side (5).

As to claim 5, it appears that the stimuli transfer zones are to transfer the energy stimuli (test signals) between the zones and the contact by electrical contact.

As to claim 7, it appears that the stimuli transfer zones (contact surfaces of the conduits (15)) are to couple to the contacts by a coupling causing a force actuation, compression or compliance of the contacts through forces from an operator or machine.

As to claim 11, Tan disclose the second side (22) coupled to the socket (21) via a forced insertion connection by an operator.

As to claim 12, the second side (22) has a plurality of electrical contacts (15) to electrically coupled to the contacts of the sockets.

As to claim 13, energy stimuli in Tan's apparatus are electrical signals/energy.

As to claim 14, It appears that the lid portion has at least one alignment groove (12).

As to claim 18, it appears that the first side includes contacts (4) to receive stimuli (test signals from an external test equipment).

As to claims 19 and 24, it appears that the lid (20) includes a material (insulative anti static resin) suitable to protect the plurality of contacts of socket (21) when it is inserted into that socket.

As to claim 20, Tan also disclose a printed circuit board (17) in which the socket (21) and the apparatus (20,15,22) are electrically coupled thereto.

As to claim 22, the socket of Tan has a cavity to removably coupled to an electrical contact (15).

As to claim 23, the electrical contact (15) would be qualified as "computing device".

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Vonder et al (pat # 4,978,912) disclose chip carrier socket test probe.

Clayton et al (pat # 6,194,904) disclose socket test probe and method of making.


Lang Dahlke (pat # 5,283,605) disclose device for testing contacting and/or wiring of sockets on a circuit board.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VINH P. NGUYEN whose telephone number is 571-272-1964.

The examiner can normally be reached on 6:30AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on 571-272-2034. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
VINH P NGUYEN  
Primary Examiner  
Art Unit 2829  
05/12/05